

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listing of claims.

1. (Currently Amended) A system for providing wireless monitoring and control of remote devices, said system comprising:

a plurality of first transceivers each having a first wireless communications device and each said first transceiver being coupled to a user station comprising a keyboard, a video monitor and a cursor control device for receiving signals from said keyboard and said cursor control device; and

a plurality of second transceivers each having a second wireless communications device and each said second transceiver being coupled to at least one of said remote devices for receiving video data from said remote devices and for transmitting said video data to a respective said first transceiver ~~transeivers~~ over a wireless network,

wherein each of said first and second wireless communication devices is configured to ~~device of said transeivers~~ condition keyboard-video-mouse signals, ~~where appropriate,~~ to operate in a peer-to-peer network, ~~[[to]]~~ thereby enabling ones of said user stations to monitor ~~enable monitoring~~ and control ~~[[of]]~~ ones of said said remote devices directly without using ~~use~~ of a central switch to control connection between any one of said first transceivers and said second transceivers; and

wherein each of said second transceivers is configured to receive a connection request message over a broadcast channel from one of said first transceivers coupled to a first one of the

user stations, and to transmit a denial message when the at least one remote device coupled to said second transceiver is under the control of another one of the user stations.

2. (Original) A system according to claim 1, wherein said wireless network is an 802.11 wireless network.
3. (Original) A system according to claim 2, wherein said wireless network is an ad-hoc wireless network.
4. (Original) A system according to claim 2, wherein said wireless network is an infrastructure wireless network.
5. (Original) A system according to claim 1, wherein said wireless network is a Bluetooth network.
6. (Withdrawn) A system according to claim 1, wherein said wireless network includes a wireless enabled computer interface module.
7. (Original) A system according to claim 1, wherein each said first transceiver includes circuitry for displaying a list of said remote devices on said video monitor.

8. (Currently Amended) A system according to claim 7, wherein ~~each~~ said one first transceiver is configured to transmit said ~~transmits~~ a connection request message to one of said plurality of second transceivers in response to a user's selection of a remote device coupled to said one second transceiver from said displayed list.

9. (Original) A system according to claim 8, wherein said connection request message includes a select channel for wireless communications between said first and second wireless communications devices over said wireless network.

10. (Currently Amended) A system according to claim 7, wherein said displayed list is generated by an on-screen display processor.

11. (Currently Amended) A system according to claim 7, wherein said displayed list is generated by software implemented on a general purpose processor.

12. (Currently Amended) A system according to claim 7, wherein said displayed list includes information related to said remote devices.

13. (Currently Amended) A system according to claim 12, wherein said displayed list is automatically updated when with one or more additional remote devices join the peer-to-peer network ~~without changing operational modes~~.

14. (Currently Amended) A system according to claim 13, wherein each of said second transceivers is configure to compress said video data ~~is compressed~~ before transmitting said video data to said respective first transceiver ~~being transmitted by said second wireless communications device of said second transceivers~~.

15. (Currently Amended) A system according to claim 14, wherein each of said first and second transceivers is configured to encrypt said video data, keyboard data, and cursor control device data for transmission ~~is encrypted before being transmitted by said first and said second wireless communications devices over said wireless network~~.

16. (Withdrawn) A method of transmitting keyboard signals, cursor control device signals and compressed video signals between a workstation connected to a video monitor a keyboard and a cursor control device and a select computer over a wireless network comprising the steps of:

displaying a menu of available computers on said video monitor of said workstation;

receiving a user request to operate a select computer from said available remote computers;

transmitting a connection request message from said workstation to said select computer over said wireless network in response to said user request;

transmitting video signals from said select computer to said workstation for display on said video monitor over said wireless network; and

transmitting keyboard and cursor control device signals from said keyboard and cursor control device of said workstation to said select remote device over said wireless network

wherein interface devices are included at said workstation and select computer for conditioning keyboard-video-mouse signals, where appropriate, to operate in a peer-to-peer wireless network to thereby enable monitoring and control of said select computer without use of a switch to control connection between said workstation and any said select computer in a plurality of select computers.

17. (Withdrawn) A method according to claim 16, said method further comprising the step of: updating said menu of available remote devices with additional remote devices without entering another mode of operation.

18. (Withdrawn) A method according to claim 16, said method further comprising the step of: updating said menu of available remote devices automatically as said remote devices enter or leave said wireless network.

19. (Withdrawn) A method according to claim 16, wherein said wireless network is an 802.11 wireless network.

20. (Withdrawn) A method according to claim 19, wherein said wireless network is a peer-to-peer wireless network.

21. (Withdrawn) A method according to claim 19, wherein said wireless network is an infrastructure mode wireless network.

22. (Withdrawn) A method according to claim 19, wherein said wireless network is a Bluetooth wireless network.

23. (Withdrawn) A wireless remote network management system for remotely monitoring and controlling devices comprising:

a plurality of first wireless-enabled transceivers each coupled to a keyboard, a video monitor and a cursor control device;

a plurality of second wireless-enabled transceivers each coupled to a remote device; and

a central switch enabled for wireless communication and wired communication; wherein each said first wireless-enabled transceiver communicates keyboard and cursor control device

signals from said keyboard and said cursor control device to said central switch via a first wireless network,

wherein said central switch routes said signals via a second wireless network to one of said second wireless-enabled transceivers,

wherein each said second wireless-enabled transceiver communicates video data via said second wireless network from said remote device to said central switch, and

wherein said central switch communicates said video data to one of said plurality of first wireless-enabled transceivers via said first wireless network

wherein said first and second wireless-enabled transceivers condition keyboard-video-mouse signals where appropriate to enable wireless transmission thereof,

wherein each said first transceiver includes circuitry for displaying a menu of said remote devices on said video monitor, wherein said menu includes information related to said remote devices and said menu is automatically updated with additional remote devices without a monitoring workstation entering a different operational mode.

24. (Withdrawn) A system according to claim 23, wherein said first wireless network and said second wireless networks are 802.11 wireless networks.

25. (Cancelled).

26. (Withdrawn) A system according to claim 23, wherein each said first transceiver transmits a connection request message to the central switch and the central switch transmits the connection request message to one of said plurality of second transceivers in response to a selection from said menu.

27. (Withdrawn) A system according to claim 23, wherein said menu is generated by an on-screen display processor.

28. (Withdrawn) A system according to claim 23, wherein said menu is generated by software implemented on a general purpose processor.

29-30. (Cancelled).

31. (Withdrawn) A system according to claim 23, wherein said video data is compressed before being transmitted by said second transceiver.

32. (Withdrawn) A method according to claim 16, wherein said video signals are compressed prior to transmission over said wireless network.